

REMARKS

Applicants' remarks, below, are preceded by quotations of the related comments of the Examiner, in small, boldface type.

Drawings

1. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the "protective coating comprises a plurality of windows" claim 39, lines 2-3 must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

Applicants respectfully disagree. FIG. 7 illustrates a top view of a coated integrated power device in which a protective coating includes a plurality of windows (indicated by reference numeral 36) that each expose a respective conductive pad on the power device 12. Accordingly, Applicants submit that corrected drawings are not required under 37 CFR 1.83(a).

Claim Rejections - 35 USC § 112

3. Claim 39 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Regarding claim 39, lines 1-3, it is confuse. Does applicant mean of "a plurality of conductive terminations and a plurality of windows" as the same or different of "a conductive termination", and "a window " as set forth in claim 1, lines 2 and 5?

Claim 39 has been amended to recite a first and second conductive termination and a first and second window.

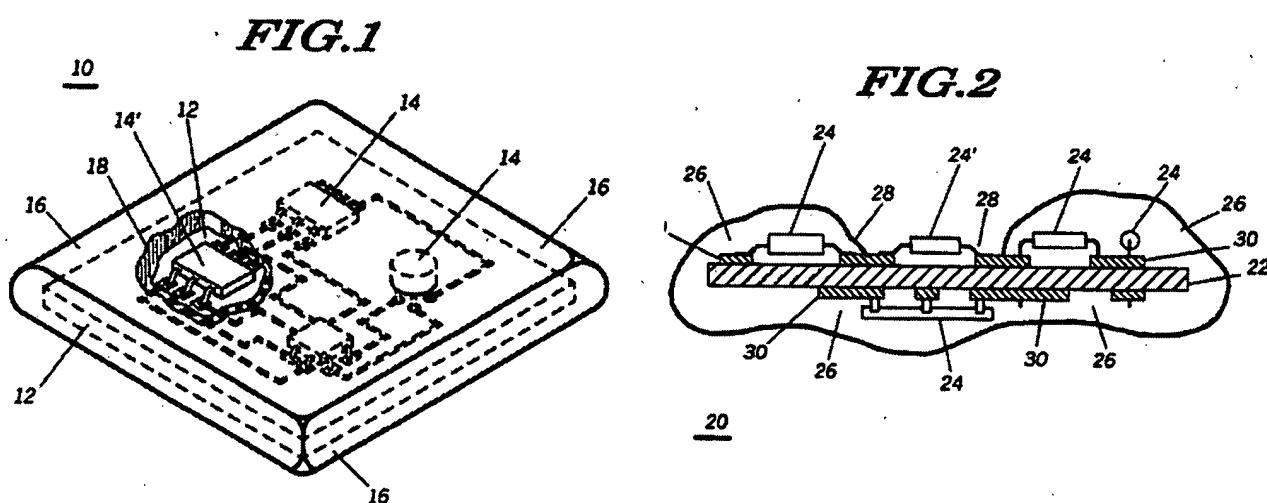
Claim Rejections - 35 USC § 102

5. Claims 30-33 and 35-39 are rejected under 35 U.S.C. 102(b) as being anticipated by Juskey et al. (U.S. Patent 5,232758).

Regarding claims 30 and 39, Juskey et al. discloses an apparatus (electronic device 10, 20) as shown in figures 1-2 comprising:

- an electronic device (22), see column 4, lines 52-53, having an outer surface (the surface in which components 24 formed on) and a conductive termination (conductive traces 30), see column 4, line 55 (leads or pins of the components 24), on the outer surface;
- a protective, conformal coating (26), see column 4, line 56), on the surface of the electronic device (22); and
- a window (28), see column 4, line 64) formed in the protective coating (26) to expose a portion of conductive the termination (30 or the pins of the components 14),
- wherein the exposed portion of the conductive termination (a portion in which is not covered by the coating) is recessed in the window of the conformal coating (see top view of figure 1 and side view of figures 2).

Amended claim 30 requires, among other things, that the protective coating formed on the surface of an electronic device have a first window that exposes at least a portion of a first conductive termination without exposing any other conductive terminations on the device. Juskey does not disclose or suggest such a device. As illustrated in its FIGS. 1 and 2, Juskey describes an electronic device 12/22 that is encapsulated in a conformal coating 16/28 having a single opening 18/28 that exposes multiple conductive terminations:



As clearly shown in these figures, the opening in Juskey does not expose a first conductive termination without exposing other conductive terminations of device 12/22 as required by claim 30. Moreover, claim 30 also requires that the window define a boundary for a solder connection between a terminal and an external circuit, which is also not disclosed or suggested in Juskey. Accordingly, Applicants submit that claim 30 is patentable for at these reasons. Claims 31-37 and 39-40 depend from claim 30, and, therefore, are patentable for at least the same reasons.

Applicants cancel claim 38 without prejudice.

It is believed that all of the pending claims have been addressed. However, the absence of a reply to a specific rejection, issue or comment does not signify agreement with or concession of that rejection, issue or comment. In addition, because the arguments made above may not be exhaustive, there may be reasons for patentability of any or all pending claims (or other claims) that have not been expressed. Finally, nothing in this paper should be construed as an intent to concede any issue with regard to any claim, except as specifically stated in this paper, and the amendment of any claim does not necessarily signify concession of unpatentability of the claim prior to its amendment.

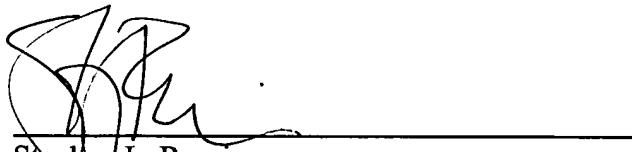
Applicant : Patrizio Vinciarelli et al.
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Attorney's Docket No.: 00614-092002

Enclosed is a \$420.00 check for the Petition for Two Month Extension of Time Fee.

Please apply any other charges or credits to deposit account 06-1050, referencing Attorney Docket No. 00614-092002.

Respectfully submitted,



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